



HF Happenings

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the week of 12 September 2016

You can now download your copy of HF Happenings from www.sarl.org.za/hf_happenings.asp.



As you may be aware, the Jamboree on the Air weekend is fast approaching and being held over the weekend of 15 to 17 October 2016. This is a great event and with it being in its 59th year, has become an integral event for Radio Amateurs and Scouts to get together and make those contacts with other scout from around the World. The Jamboree event is the largest Scouting event in the World, with approximately 1,5 Million Cubs, Scouts and Guides taking part from every continent on earth.

What can Amateur Radio Clubs do for this great event? How about setting up a small station, or inviting a Group to your station for either the day or the weekend. Show the youth what Amateur Radio is all about and get them making contacts.

If you are able to assist or would like more information regarding this fantastic event, please contact me and I will put you in direct contact with the District Commissioner and the Scouter in charge of the nearest Scouting group to you.

The youth are the future of our fantastic hobby, and with Scouting, they work so well together.

Yours in Scouting and Amateur Radio,

Richard Hooper, ZS6RKE
National JOTA JOTI Coordinator
SCOUTS South Africa



VK0EK Log Reconciliation

The laptops used by VK0EK on Heard Island have been reconciled with the master N1MM+ log, and more than 100 QSOs have been recovered. The majority were recovered from a failed laptop that did not synchronize with the N1MM+ Master log. Recovered QSOs have been uploaded to OQRS (www.m0urx.com/oqrs/logsearch.php) as well as to LoTW.



South African Radio League * Suid-Afrikaanse Radioliga
Member Society of the International Amateur Radio Union since 1925



Higher Bands will pick up this autumn (northern Hemisphere); Data suggest smaller Solar Cycles lie ahead



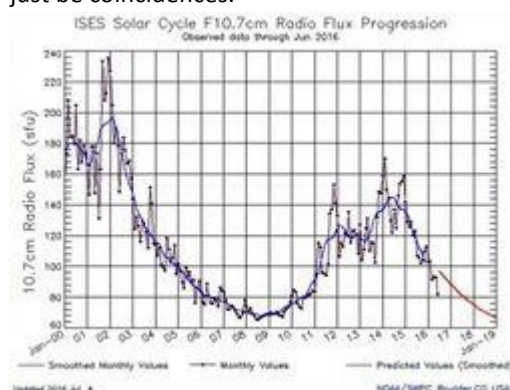
Propagation guru Carl Luetzelschwab, K9LA, says that, while conditions on 12 and 10 metres will pick up as they always do in the fall, F_2 propagation on those bands will decline thereafter, with only sporadic E during the summer months as a possible saving grace. On the other hand, the lower bands - 160, 80, and 40 meters - should be good going forward, and 20 and 17 metres will be the mainstays of daylight HF propagation.

Luetzelschwab offered these observations during a 23 August World Wide Radio Operators Foundation (WWROF)-sponsored webinar "Solar Topics - Where We're Headed." <http://wwrof.org/webinar-archive/solar-topics-where-were-headed/>. He said data suggest that Solar Cycle 24, the current solar cycle, will bottom out in 2020 and he advised that radio amateurs may need to lower their expectations on the higher bands (and 6 metre) looking beyond that.

"I think the only conclusion we can make with some confidence is that we are headed for some small cycles," he told his audience. He cited various evidence related to the Sun's polar fields - which appear to be decreasing in strength, A index trends, and cosmic ray data to support his assertion. Luetzelschwab cautioned, however, that past performance does not necessarily predict future performance.

"There seems to be a good correlation between how long a solar minimum is and the next solar cycle," said Luetzelschwab. "The longer you spend at solar minimum, the smaller the next cycle."

He observed that hams active since the 1950s and 1960s have experienced short inter-cycle solar minimums of approximately 2 years, until the one between Solar Cycle 23 and Solar Cycle 24, which lasted about 4 years. He also allowed that the science is not fully understood, and that some things appearing to be patterns may just be coincidences.



September

2 and 3 – Tekkiefes, Vereeniging

3 – West Rand Flea Market

10 and 11 – SARL National Field Day

10 – Old Mutual Mont-Aux-Sources Challenge, Royal Natal National Park; the Beast Challenge, Muldersdrift

11 – SARL Youth Net

15 – October RAE closing date

16 – World Ozone Day

16 to 18 – Darling Wildflower Festival

17 and 18 – SARL VHF/UHF Contest; All Africa DX Contest

22 – Spring Equinox

22 to 25 – Hermanus Flower Festival; National Sheep-dog Trails, Dullstroom

23 to 25 – Gauteng Getaway Show

24 – National Braai Day and Heritage Day

24 and 25 – CQ WW RTTY Contest; Franschhoek Uncorked Festival

24 Sept to 2 Oct – Magoebaskloof and Haenertsburg Spring Festival

26 – Closing date for October Radio ZS

27 – World Tourism Day

29 Sept to 3 Oct – White Mountain Music Festival, Estcourt, Natal

29 Sept to 2 Oct – Madeliefie Makietie, Vredendal

30 – All schools close

30 Sept to 2 Oct – Hermanus Whale Festival

October

1 – Spring QRP Contest

4 – World habitat Day

6 – SARL 80 m QSO Party

8 and 9 – AWA Valve QSO Party

9 – SARL Youth Net

6 to 9 – Superblast Rocking the Daisies Music and Lifestyle Festival, Darling

10 – All schools open

12 – Yom Kippur

20 – Radio Amateur Examination; National Marine Day

21 to 23 – Jamboree on the Air

22 – CQ Hou Koers

29 and 30 – CQ WW DX SSB Contest

On the other hand, he said, it looks like the downward trend of disappearing sunspots has levelled off, suggesting that Solar Cycle 25 may see a lower smoothed sunspot number as opposed to zero or near-zero sunspots.

Counting those sunspots can be a subjective business. "That's a tough job," he said of the task, noting that it

A chart of 10,7 centimetre solar flux from 2000 to 2016. [NOAA Space Weather Prediction Centre graphic]

appears observer bias also has been a factor over the years, affecting historical sunspot data. "We now have new corrected data that are believed to be more accurate."

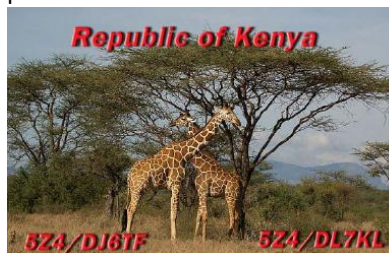
Luetzelschwab's article "The New Sunspot Numbers," appearing in the October issue of *QST*, discusses the new sunspot numbers.

Luetzelschwab cited historical sunspot cycle data going back centuries - including the "Maunder Minimum" of zero and near-zero sunspots between the years 1645 and 1715 and a later, less-drastic "Dalton Minimum." He pointed out that over the last 11 000 years, 19 notable grand maximums - including Solar Cycle 19 and the cycles around it - and 27 notable grand minimums were recorded. "We're likely to have more of both grand maximums and grand minimums in the future," he predicted. The current system of numbering sunspot cycles begins with Solar Cycle 1 in the mid-18th century.

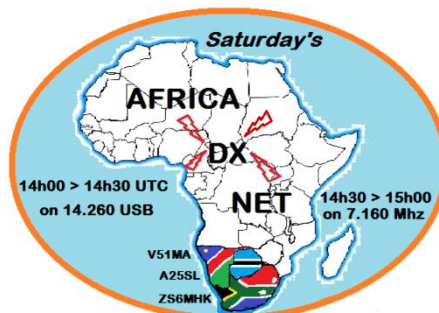
"We don't fully understand the process inside the Sun that makes solar cycles," Luetzelschwab said. "Thus, you should exercise caution with statements seen in the news."

African DX

Uganda, 5X. Andy, DL3YM, will be on a work assignment in Uganda between 20 September and 1 October. During his spare time, he plans to get on the air from the campus of the Nkumba University in Entebbe. He will be active as 5X8B on CW, SSB occasionally for demonstration purposes. QSL via DL3YM, LoTW; expect cards via the bureau automatically.



Kenya, 5Z. Tom, DJ6TF, and Reiner, DL7KL, plan to visit Diani Beach from 15 November to 1 December and be active as 5Z4/home calls on 80 to 10 m using CW and SSB. QSL via h/c direct or via the bureau.



African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



Canary Islands, EA8. Kari, OH2BP, Väinö, OH9GIT, Ewe, SM7BHM, and Yuris, YL7A, will be active as EA8DED from Tenerife Island (AF-004) during the CQ WW DX RTTY Contest (24 and 25 September) as a Multi-Single entry. QSL via OH2BP only direct. After the contest look for them on the WARC bands using CW, SSB and PSK31.

Canary Islands, EA8. Frank, PH2M, will be active as EA8/home call from Lazarote Island (AF-004) between 25 September and 6 October. Activity will be holiday style on 40 to 10 metres using SSB only. QSL via his home call sign by the Bureau.

Reunion Island, FR. Jean, F6BVV, is now active as FR/home call from Reunion (AF-016) until 23 September. Activity will be limited to his spare time because of his work, but look for him on 14 045 and 21 045 kHz. Listen for QSL info.

Pantelleria Island. Raffaele, IH9YMC, will be active from Pantelleria Island (AF-018, WW Loc. JM56xt), African Italy, during the CQ WW DX SSB Contest (29 and 30 October) as a Single-Op entry. QSL via eQSL.

Cape Verde, D4. Ralf, DK8FA spends a holiday on Boavista (AF-086) between 15 and 28 September. He plans to operate with the call D44TUJ with 100 W and a vertical antenna, mainly on 20 and 17 m (digital modes). QSL via DK8FA, direct or the bureau.

Comoros, D6. David, OK6DJ, Pavel, OK1FPS, Pavel, OK1GK, Ruda, OK2ZA, and Petr, OK1BOA, are going to activate AF-007 from 18 to 30 September as D66D. They will be active on 160 to 10 m using CW, SSB and RTTY. QSL via OK6DJ, LoTW, eQSL. www.cdxp.cz/?page_id=569

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 12 to 19 September 2016

Classic Exchange, CW

13:00 UTC 11 September to 08:00 UTC 12 September and 13:00 UTC 13 September to 08:00 UTC 14 September

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: (none)

Exchange: Name, RST, state, province or country and rcvr/xmtr manuf/model

Work stations: Once per band per mode per rcv/xmtr manuf/model

QSO Points: (see rules)

Multipliers: (see rules)

Score Calculation: Total score = sum(total mode QSO points x total mode mults) and Bonus Points

Submit logs by: 31 December 2016

E-mail logs to: wq8u@arri.net

Mail logs to: WQ8U, 104 W. Queen St., Hillsborough, NC 27278, USA

Find rules at:

www.classicexchange.org/sep16/sep2016cxann.html

Phone Fray

02:30 - 03:00 UTC 14 September

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA

station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 16 September 2016

E-mail logs to: (none)

Post log summary at: www.3830scores.com

Mail logs to: (none)

Find rules at:

www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 14 September and 03:00 - 04:00 UTC 15 September

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-

Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 17 September 2016

Post log summary at: www.3830scores.com

Mail logs to: (none)

Find rules at: www.cwops.org/cwt.html

RSGB 80 m Club Sprint, SSB

19:00 - 20:00 UTC 14 September

Mode: SSB

Bands: 80 m Only

Classes: 100 W; 10 W

Exchange: other station's call, your call, serial no and your name

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 21 September 2016

Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl

Mail logs to: (none)

Find rules at:

www.rsgbcc.org/hf/rules/2016/rsprint.shtml

NCCC RTTY Sprint

01:45 - 02:15 UTC 16 September

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 18 September 2016

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at: www.ncccsprint.com/rttyns.html

NCCC Sprint

02:30 - 03:00 UTC 16 September

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 18 September 2016

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at: www.ncccsprint.com/rules.html

AGB NEMIGA Contest: 2100Z-24:00 UTC 16 September

Mode: CW, SSB, Digital

Bands: 80 m Only

Classes: Single Op - CW, SSB or mixed; Single Op Mixed QRP; Multi-Op; Digital; One Hour; SWL

Exchange: AGB Member: RST, QSO no and member no; non-Member: RST and QSO no

Work stations: Once per mode per 15-minute period (see rules)

QSO Points: 1 point per QSO with same continent; 3 points per QSO with different continent; 5 points per QSO with AGB member

Multipliers: Each AGB member once; Each DXCC/WAE country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 16 October 2016

E-mail logs to: eu1eu@mail.ru

Mail logs to: Igor "Harry" Getmann, EU1EU, PO Box 143, Minsk 220005, Belarus

Find rules at:

www.ev5agb.com/contest/agb_nemiga.htm

All Africa International DX Contest

12:00 UTC 17 September to 12:00 UTC 18 September

Mode: CW, SSB, RTTY

Bands: 160, 80, 40, 20, 15, 10 m

Classes: SOST All Band - CW, SSB, RTTY or mixed - QRP, low or high; SOST Single Band - CW, SSB, RTTY or mixed - QRP, low or high; SO2R - CW, SSB, RTTY or mixed - low or high; Multi-Single All Band - low or high; Multi-Single Single Band - low or high; Multi-Multi - low or high

Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts

Exchange: RS(T) and serial no

Work stations: Once per band per mode

QSO Points: 10 points per QSO with an African entity; 1 point per QSO with non-African entity

Multipliers: Each African entity once per band per mode

Score Calculation: Total score = sum (band QSO pts x band mults for each band)

Submit logs by: 3 October 2016

E-mail logs to: contest@sarl.org.za

Mail logs to: (none)

Find rules at:

www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=20151130131559djqp8afPgb.PDF

Scandinavian Activity Contest, CW

12:00 UTC 17 September to 12:00 UTC 18 September

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op Single Xmtr - QRP, low or high; Single Op Single Xmtr Assisted - QRP, low or high; Single Op Single Band; Single Op Low Band; Multi-Single; Multi-Multi

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: Scandinavian: 2 points per QSO with EU; Scandinavian: 3 points per QSO with non-EU; EU: 1 point per QSO with Scandinavian station; non-EU: 1 point per QSO with Scandinavian station on 20, 15, 10 m; non-EU: 3 points per QSO with Scandinavian station on 80, 40 m

Multipliers: Scandinavian: Each DXCC country once per band; non-Scandinavian: Each Scandinavian call area once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 25 September 2016

Upload log at: www.sactest.net/robot/

Mail logs to: (none)

Find rules at: www.sactest.net/blog/rules/

New Hampshire QSO Party

16:00 UTC 17 September to 04:00 UTC 18 September and 16:00 - 22:00 UTC 18 September

Mode: CW/Digital, Phone

Bands: All, except WARC

Classes: Single Transmitter - QRP, low or high; Single Transmitter Assisted - QRP, low or high; Single Transmitter/Multi-Operator - low or high; Multi Transmitter/Multi-Operator - low or high

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: NH: RS(T) and county; non-NH W/VE: RS(T) and state or province; DX: RS(T) and "DX"

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO

Multipliers: NH Stations: Each NH county, each state, each VE province and up to 10 DXCC country once; non-NH Stations: Each NH county once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 October 2016

E-mail logs to: NHQP@w1wqm.org

Mail logs to: Port City Amateur Radio Club, PO Box 2060, Seabrook, NH 03874-2060, USA

Find rules at:

www.w1wqm.org/nhqso/NEW_HAMPSHIRE_QSO_PARTY_RULES.pdf

New Jersey QSO Party

16:00 UTC 17 September to 03:59 UTC 18 September and 14:00 - 20:00 UTC 18 September

Mode: CW, Phone

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high; Multi-Op - QRP, low or high; Mobile/Rover/Portable - QRP or low; Rookie as overlay to any other class

Max power: HP: 150 W or greater; LP: <150 W;

QRP: 5 W

Exchange: NJ: RS(T) and county; non-NJ: RS(T) and state, province or "DX"

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points per CW QSO; 100 bonus points for at least one QSO with K2TD

Multipliers: NJ Station: Each NJ county, state (other than NJ), VE province, 1 DX once; Non-NJ Station: Each NJ county once

Power: 2 X-QRP, 1 X-LP/HP

Score Calculation: Total score = (total QSO points x total mults x power mult) and bonus points

Submit logs by: 1 October 2016

E-mail logs to: njqp@comcast.net

Mail logs to: (none)

Find rules at: [www.k2td-](http://www.k2td-bcrc.org/njqp/njqp_rules.html)

[bcrc.org/njqp/njqp_rules.html](http://www.k2td-bcrc.org/njqp/njqp_rules.html)

Washington State Salmon Run

16:00 UTC 17 September to 07:00 UTC 18 September and 16:00 - 24:00 UTC 18 September

Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Single Op - CW, phone, digital or mixed - QRP, low or high; Multi-Single; WA Club Single Transmitter; WA Club Two Transmitters; WA Mobile - CW, phone, digital or mixed; WA Single Op Expedition - CW, phone, digital or mixed; WA Multi-Op Single Xmtr Expedition; WA Multi-Op Two Xmtr Expedition; Unlimited (see rules)

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: WA: RS(T) and county; non-WA: RS(T) and state, province or country

Work stations: Once per band per mode per county

QSO Points: 2 points per phone QSO; 3 points per CW or digital QSOs; Bonus: 500 points per QSO with W7DX once per mode (max of 1 500 points)

Multipliers: WA: Each WA county, state, province, DXCC entity once; non-WA: Each WA county once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 2 October 2016

E-mail logs to: salmonrun@wwdxc.org

Mail logs to: Western Washington DX Club, PO Box 395, Mercer Island, WA 98040, USA

Find rules at: www.wwdxc.org/2016-salmon-run-information/

QRP Afield

16:00 - 22:00 UTC 17 September

Mode: All

Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)

Exchange: RS(T), state, province or country and power or NE QRP no

Work stations: Once per band per mode

QSO Points: 1 point per QSO if using 1 - 5 W and permanent location; 2 points per QSO if using <1 W and permanent location; 4 points per QSO if using 1 - 5 W and temporary location; 8 points per QSO if using <1 W and temporary location

Multipliers: Each state, province, country once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 17 October 2016

E-mail logs to: cludinsky@verizon.net

Mail logs to: Chuck Ludinsky, K1CL, 6 Pracing Rd., Chelmsford, MA 01824-1922, USA

Find rules at: <http://newenglandqrp.org/>

Feld Hell Sprint

18:00 - 19:59 UTC 17 September

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max power: Standard: 100 watts

QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)

Bonus Points: (see rules)

Multipliers: (see rules)

Score Calculation: (see rules)

Submit logs by: 21 September 2016

Upload log at:

<https://sites.google.com/site/feldhellclub/>

Mail logs to: (none)

Find rules at:

<https://sites.google.com/site/feldhellclub/Home/contests/sprints/hell-on-wheels-sprint>

North American RTTY Sprint
00:00 - 04:00 UTC 18 September
Mode: RTTY
Bands: 80, 40, 20 m
Classes: Single Op - QRP, low or high
Max operating hours: 4 hours
Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
Exchange: other station's call, your call, serial no, your name and your state, province or country
Work stations: Once per band
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
Multipliers: Each US state (including KL7) once; Each VE province once; Each North American country (except W/VE) once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 04:00 UTC 25 September 2016
E-mail logs to: (see rules, web upload preferred)
Upload log at: www.ncjweb.com/sprintlogssubmit/
Mail logs to: Ed Muns, W0YK, PO Box 1877, Los Gatos, CA 95031-1877, USA
Find rules at: <http://ncjweb.com/Sprint-Rules.pdf>

BARTG Sprint 75
17:00 - 21:00 UTC 18 September
Mode: 75 Baud RTTY
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op Expert; Single Op All Band
Exchange: Serial no
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: DXCC countries once regardless of band JA, W, VE and VK areas once regardless of band

Score Calculation: Total score = total QSO points x total mults x continents
Submit logs by: 25 September 2016
Upload log at: <http://bartg.rsgbcc.org/cgi-bin/hfenter.pl>
Mail logs to: (none)
Find rules at: <http://s3.spanglefish.com/s/7850/documents/contests/sprint75/rules/current/bartg%20sprint%2075%20rules.pdf>

Run for the Bacon QRP Contest
01:00 UTC-03:00 UTC 19 September
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Band; All Band
Max power: 5 watts
Exchange: RST, state, province or country and member no or power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent
Multipliers: Each state, province or country once; Multiply mults by 2 if >50 members worked
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 25 September 2016
E-mail logs to: (none)
Upload log at: <http://grpcontest.com/pigrun/autolog.php>
Mail logs to: (none)
Find rules at: <http://grpcontest.com/pigrun/>

Next Week's Contests

Phone Fray, 02:30 - 03:00 UTC 21 September
CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 21 September and 03:00 - 04:00 UTC 22 September
NAQCC CW Sprint, 00:30 - 02:30 UTC 22 September
NCCC RTTY Sprint, 01:45 - 02:15 UTC 23 September
NCCC Sprint, 02:30 - 03:00 UTC 23 September
CQ Worldwide DX Contest, RTTY, 00:00 UTC 24 September to 24:00 UTC 25 September
Maine QSO Party, 12:00 UTC 24 September to 12:00 UTC 25 September
Texas QSO Party, 14:00 UTC 24 September to 02:00 UTC 25 September and 14:00 - 20:00 UTC 25 September
RSGB International Sprint Contest, CW, 17:00 - 21:00 UTC 24 September
Classic Exchange, Phone, 13:00 UTC 25 September to 08:00 UTC 26 September and 13:00 UTC 17 September to 08:00 UTC 28 September
Peanut Power QRP Sprint, 20:00 - 22:00 UTC 25 September

VHF Happenings

ARRL 10 GHz and Up Contest

06:00 local 17 September to 24:00 local 18 September

Mode: Any

Bands: 10 GHz to light

Classes: 10 GHz Only; 10 GHz and Up

Max operating hours: 24 hours

Exchange: 6-Character Maidenhead Locator

Work stations: Once per location (see rules)

QSO Points: 100 points per QSO with unique call sign per band; 1 point per km distance per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 18 October 2016

E-mail logs to: 10GHZ@arrl.org

Mail logs to: 10 GHz Contest, ARRL Contest Branch, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.arrl.org/10-ghz-up>

SARL VHF/UHF Analogue/Digital Contest

10:00 UTC 17 September to 10:00 UTC 18 September

Mode: Analogue (CW/SSB/FM), Digital

Bands: 50 MHz, 70 MHz, 144 MHz, 432 MHz, 1296 MHz

Classes: Base - unlimited, analogue or digital; Field - unlimited, analogue or digital; Club/Multi-Op - unlimited, analogue or digital; 4-Hour Limited - unlimited, analogue or digital

Exchange: RS and 6-character grid locator

Work stations: Once per band

Score Calculation: (see rules)

Submit logs by: 2 October 2016

E-mail logs to: contest@sarl.org.za

Mail logs to: (none)

Find rules at:

<http://www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=20151130131559djqp8afPgb.PDF>

144 MHz Fall Sprint

19:00 – 23:00 local 19 September

Mode: not specified

Bands: 2 m Only

Classes: Single Op; Rover

Exchange: 4-character grid square

QSO Points: 1 points per QSO

Multipliers: Each grid square

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 3 October 2016

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at: http://svhfs.org/2016_Fall_Sprint_Rules.pdf

ARRL EME Contest, 00:00 UTC 24 September to 23:59 UTC 25 September

AGCW VHF/UHF Contest, 14:00 - 17:00 UTC 24 September (144) and 17:00 - 18:00 UTC 24 September (432)

UBA ON Contest, 6 m, 07:00 - 10:00 UTC 25 September